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L3	5	(content adj utilization) adj histor\$	US-PGPUB	OR	ON	2007/04/20 14:59

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L1	1205	726/26.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 14:58
L2	10	(content adj utilization) adj history	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 14:59

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Software Utilization History. รายงานความถี่การใช งานโปรแกรม โดยแสดงแยก. ตามชื่อเครื่อง

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[CONNECTING DEVICE FOR AN ELECTRIC WORK VEHICLE - Patent EP1420977](#)

... both to read its **content (utilization history)** and charge operations) and to program a number of operating parameters (threshold values, maximum charge ...
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1 [An analytic model of the HASP execution task monitor](#) 

J. C. Strauss
 December 1974 **Communications of the ACM**, Volume 17 Issue 12

Publisher: ACM Press

Full text available:  pdf(744.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The HASP Execution Task Monitor periodically rearranges the OS/360 dispatching chain to give tasks preemptive execution priority in inverse order to that of their cpu utilization history. The effect is to keep the I/O bound tasks active and to prevent cpu bound tasks from locking out other tasks. This paper develops a simple model of the Execution Task Monitor and employs it to study the effectiveness of the monitor in improving system performance. A modified strategy for monitor control is ...

Keywords: HASP, OS/360, dispatching, modeling, performance evaluation, scheduling

2 [A simulation study of dynamic dispatching](#) 

Amy Chiang Cho, J. C. Strauss
 August 1975 **Proceedings of the 3rd symposium on Simulation of computer systems ANSS '75**

Publisher: IEEE Press

Full text available:  pdf(819.37 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper investigates the performance of dynamic dispatching algorithms based on the HASP Execution Task Monitor (HETM) which is an optional feature of the IBM OS/360 Operating System. HETM attempts to improve system performance by maintaining balanced usage of the CPU and I/O channels. HETM dynamically distributes priority to the most I/O bound jobs by periodically rearranging the OS/360 dispatching chain to give classes preemptive CPU execution priority in inverse order to that of their ...

3 [BLUE: an alternative approach to active queue management](#) 

Wu-Chang Feng, Dilip Kandlur, Debanjan Saha, Kang G. Shin
 January 2001 **Proceedings of the 11th international workshop on Network and operating systems support for digital audio and video NOSSDAV '01**
 Publisher: ACM Press

Full text available:  pdf(1.68 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper exposes an inherent weakness in current active queue management techniques such as Redin that they rely on queue lengths to indicate the severity of congestion. In light of this observation, a fundamentally different active queue management algorithm called Blue is proposed. Blue uses packet loss and link utilization to manage congestion. Using simulation and controlled experiments, Blue is shown to significantly outperform ...

4 [Congestion control in BBN packet-switched networks](#)

 J. Robinson, Dan Friedman, Martha Steenstrup
December 1989 **ACM SIGCOMM Computer Communication Review**, Volume 20 Issue 1

Publisher: ACM Press

Full text available:  pdf(1.02 MB) Additional Information: [full citation](#), [citations](#), [index terms](#)



5 [An analytic model of the HASP execution task monitor](#)

 Jon C. Strauss
January 1973 **Proceeding of the 1973 ACM SIGME symposium SIGME '73**

Publisher: ACM Press

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



The HASP Execution Task Monitor periodically rearranges the OS/360 dispatching chain to give tasks pre-emptive execution priority in inverse order to their CPU utilization history. The effect is to keep the I/O bound tasks active and to prevent CPU bound tasks which have high priority due to the partition/initiator priority hierarchy of OS from locking out other tasks. This paper develops a simple model of the Execution Task Monitor and employs it to study the effectiveness of the monitor i ...

6 [A simulation approach to the design of dynamic feedback scheduling algorithms for time-shared computer systems](#)

Madeline J. Bauer

June 1974 **Proceedings of the 2nd symposium on Simulation of computer systems ANSS '74**

Publisher: IEEE Press

Full text available:  pdf(697.73 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



The goal of a scheduling algorithm for a time-shared computer system is to provide acceptable request response time and resource utilization through effective resource allocation. In order to do this, it is necessary for the algorithm to be capable of adjusting itself to handle the various situations, precipitated by the set of active user requests and the computing system's status, which may occur. An effort is now underway to design the structural framework of a scheduling algorithm which ...

7 [Evaluation of a prototype visualization for distributed simulations](#)

James H. Graham, Irfan S. Karachiwala, Adel S. Elmaghreby
December 1998 **Proceedings of the 30th conference on Winter simulation WSC '98**

Publisher: IEEE Computer Society Press

Full text available:  pdf(249.19 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



8

[K-Rep system overview](#)



 Eric Mays, Robert Dionne, Robert Weida
June 1991 **ACM SIGART Bulletin**, Volume 2 Issue 3

Publisher: ACM Press

Full text available:  pdf(487.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The K-Rep system was built to explore the utility of a KL-One style knowledge representation in the development of expert systems. Beginning in about 1985, our activity in expert systems has been centered on the FAME (FinAncial Marketing Expertise) system[4]. FAME attempts to provide support to an IBM marketing representative in the financing decisions involved in the acquisition of large mainframe computer systems. Based on our experience in building a feasibility demonstration of FAME using a ...

9 A simulation approach to the design of dynamic feedback scheduling algorithms for

 time-shared computer systems

Madeline J. Bauer

July 1974 **ACM SIGSIM Simulation Digest**, Volume 5 Issue 4

Publisher: ACM Press

Full text available:  pdf(721.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

The goal of a scheduling algorithm for a time-shared computer system is to provide acceptable request response time and resource utilization through effective resource allocation. In order to do this, it is necessary for the algorithm to be capable of adjusting itself to handle the various situations, precipitated by the set of active user requests and the computing system's status, which may occur. An effort is now underway to design the structural framework of a scheduling algorithm which will ...

10 Capacity planning for MVS computer systems

 H. Pat Artis

December 1979 **ACM SIGMETRICS Performance Evaluation Review**, Volume 8 Issue 4

Publisher: ACM Press

Full text available:  pdf(1.46 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

The current status of an implementation of a methodology relating load, capacity and service for IBM MVS computer systems is presented. This methodology encompasses systems whose workloads include batch, time sharing and transaction processing. The implementation includes workload classification, mix representation and analysis, automatic benchmarking, and exhaust point forecasting.

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